



Reasoning Problems

Silver

These Silver Reasoning questions require reading carefully and applying more than one step, matching the real SATs Reasoning style.

Name: _____ Date: _____

Section A: Word Problems

1. A cinema sells adult tickets for £9.50 and child tickets for £6.25. A family buys 2 adult and 3 child tickets. What is the total cost?

2. A car travels at 60mph for 2.5 hours. How far does it travel?

3. A recipe for 6 people needs 450g of pasta. How much pasta is needed for 15 people?

4. A shop reduces all prices by 25%. An item originally costs £48. What is the new price?

5. A tank holds 500 litres. It is currently $\frac{3}{5}$ full. How many litres are in the tank?

Section B: Ratio, Algebra & Data

1. A ratio of boys to girls in a class is 3:4. If there are 12 boys, how many girls are there?

2. If $5x = 45$, what is x ?

3. If $y + 12 = 30$, what is y , and what is $2y$?

4. A pie chart shows 50% of pupils walk to school, 30% come by car, and the rest cycle. What percentage cycle?

5. A number sequence increases by 7 each time: 4, 11, 18, 25. What is the 6th number in the sequence?
